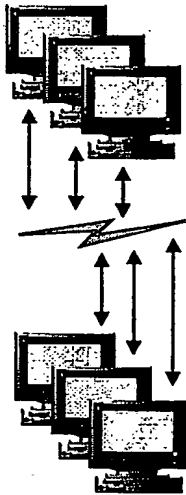
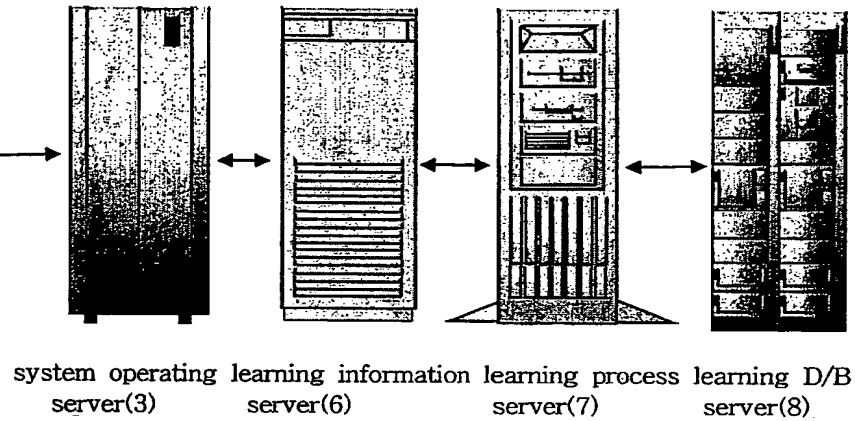


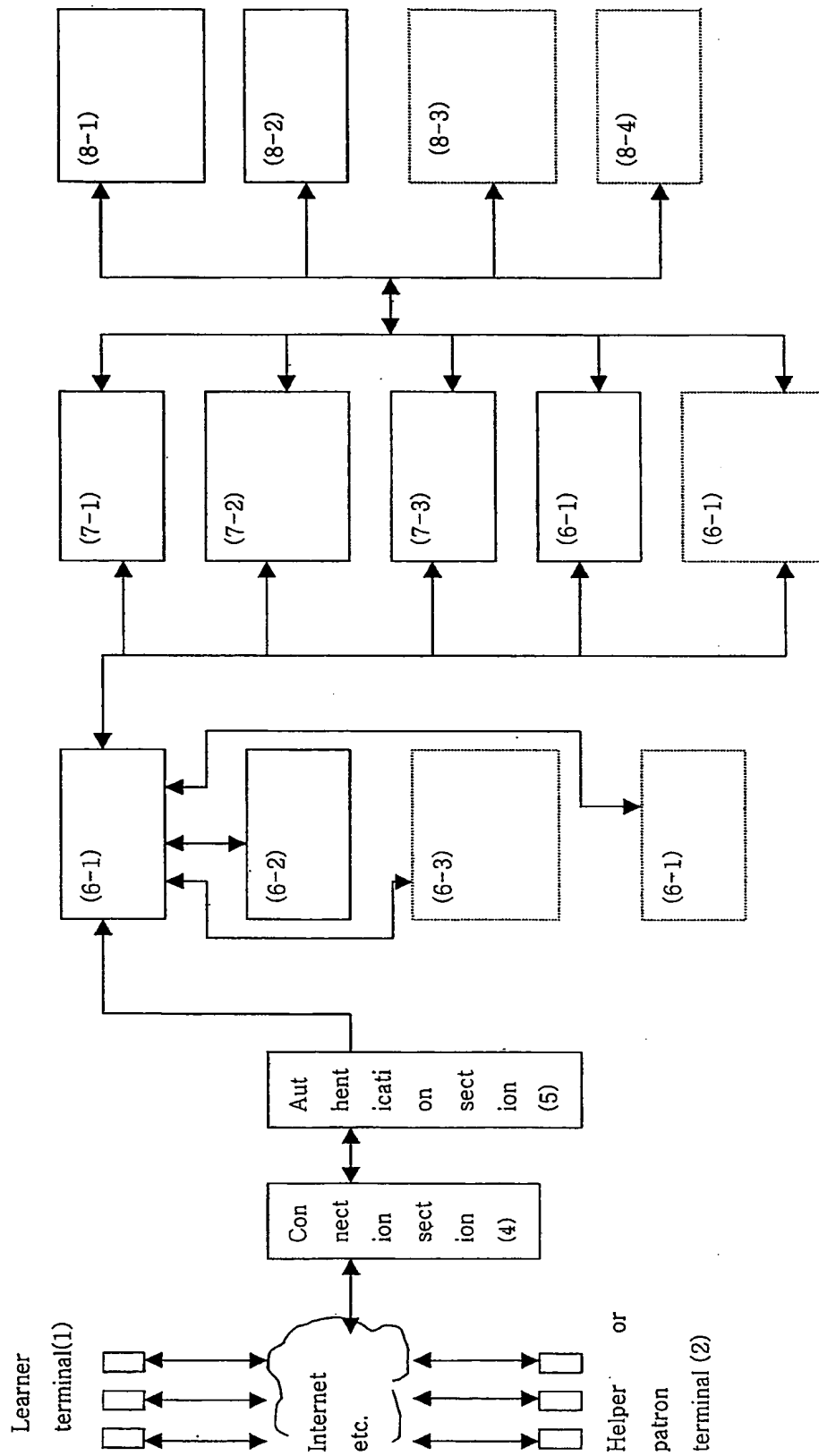
【figures】

【Fig. 1】

learner terminal(1)

helper or
patron terminal(2)

[Fig. 2]



[Fig. 3]

classification	subject	chapter	medium classification	(8-1)	classification divided by minimum unit	5008			A: the No. of questions in (8-2), B: the No. of question explanation files in (8-3)											
						level 1	level 2	level 3	level 1	level 2	level 3	level 4	level 5	level 6						
						A	B	A	B	A	B	A	B	A	B					
student 7 grade 1st semester	Korean language literary style	4.1 the introduction	4.1.1. hints on composition	a	b	c	8	8	9	9	10	10	10	10	10	9	9	9		
			4.1.2. the basic frame of sentence	"	"	"	9	9	10	10	10	10	10	10	9	9	9			
		4.2 the predicate	4.1.3. target	"	"	"	8	8	9	9	10	10	10	10	10	10	8	8		
			4.2.1. definition	"	"	"	9	9	10	10	10	10	10	10	10	10	9	9		
			4.2.2. completion	"	"	"	10	10	10	10	10	10	10	10	10	10	10	10		
			4.2.3. character	"	"	"	9	9	9	9	10	10	10	10	10	9	9			
			4.2.4. the units of predicate	"	"	"	8	8	9	9	10	10	10	10	10	10	9	9		
					

【Fig. 4-a】

5001	5002			5003	5004	5005	5006	5007
	5002-a	5002-b	.....				
conceptual content file								

【Fig. 4-b】

5001	5002			5003	5004	5005	5006	5007-a	
	5002-a	5002-b	.....					5007-b	5007-c
conceptual content file									
learning dictionary file									

【Fig. 5】

5001	5002			5003	5010	5005	5006	5011
	5002-a	5002-b	.....				
problem file								

【Fig. 6-a】

5001	5002			5003	5010	5005	5011
	5002-a	5002-b	.....			
problem explanation file							

【Fig. 6-b】

5001	5002			5003	5010	5005	5007-a	
	5002-a	5002-b	.....				5012-a	5007-c
problem explanation file								
learning dictionary file								

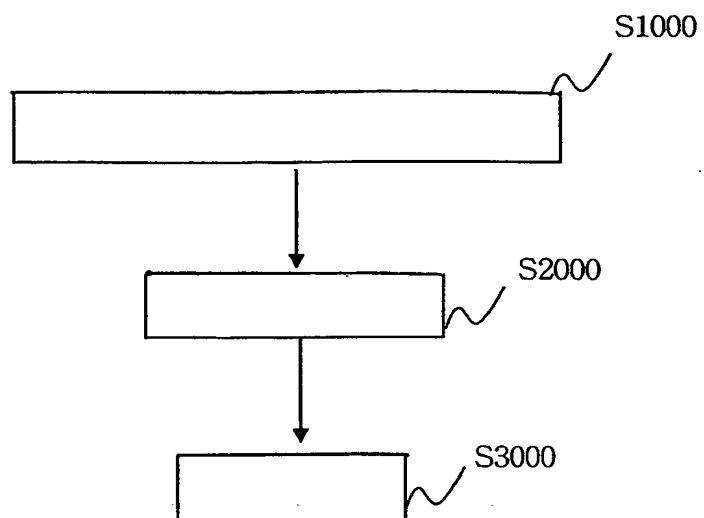
【Fig. 7】

5001	5002			5003	5009-c	5009-a
	5002-a	5002-b	.....		
learning dictionary file						

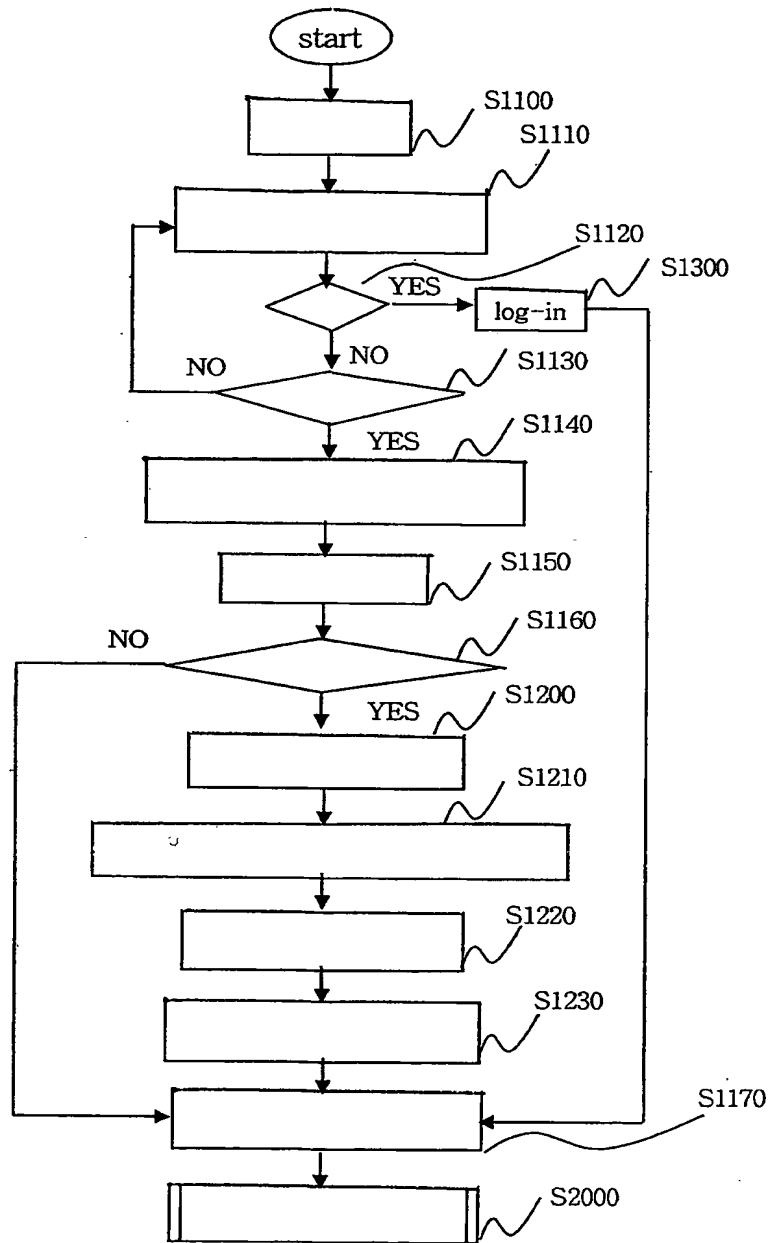
【Fig. 8】

user ID		user password	members -hip No.	personal information of a learner					
				social No.	grade	learning ability about each subject	.....	
concept - u a l contents	connection date	5001	5002			5003	5004	5005	state of progress
			5002-a	5002-b	.....			
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
problem -s	connection date	5001	5002			5003	5010	5005	state of progress
			5002-a	5002-b	.....			
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
problem explanat -ions	connection date	5001	5002			5003	5010		state of progress
			5002-a	5002-b	.....			
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
notes	connection date	5001	5002			the area of storage in the note contents			
			5002-a	5002-b	.....			
	⋮	⋮	⋮	⋮	⋮	⋮			

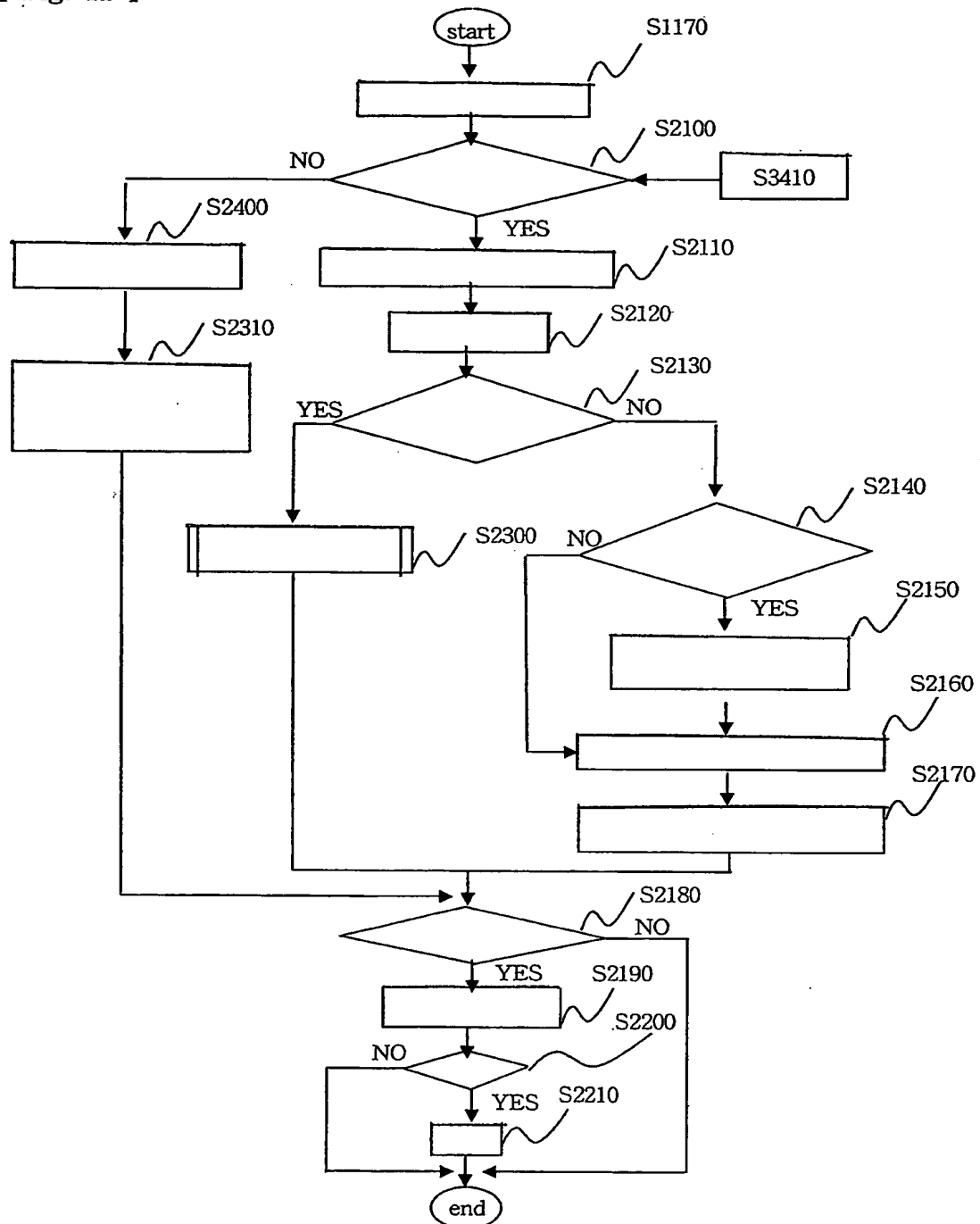
【 Fig. 9 】



【 Fig. 10 】



【 Fig. 11 】



【Fig. 11-1】

1. Target : the level of questions ① ☐ ② ☐ ③ ☐ ④ ☒ ⑤ ☐
 score 70% ☐ 80% ☐ 90% ☒ 97% ☐

2. Range 8th grade ▾ S. S. ▾ history ▾ Shin-la ▾ No ▾

3. Starting point : conceptual contents ▾ level ① ☐ ② ☒ ③ ☐

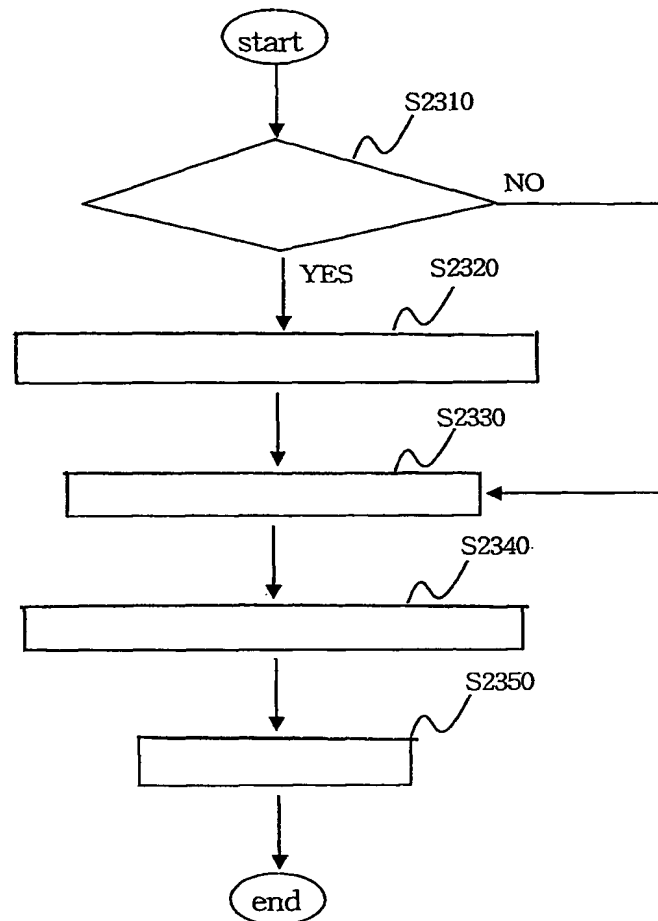
4. The order for studying
 conceptual contents 25 files time 72min starting level ②
 questions 60 files ▾ time 75min starting level ② ▾
 Q. explanation studying about only slipping Qs ☒
 studying about slipping Qs + nominated Qs ☐

5. The settlement of the level of Qs linked with the conceptual content for next step
 correct Ans. → 2 level-up ▾ → 1 level-up ▾ → 1 level-up ▾ → graduation
 slipping Qs → same level ▾ → 1 level-down ▾

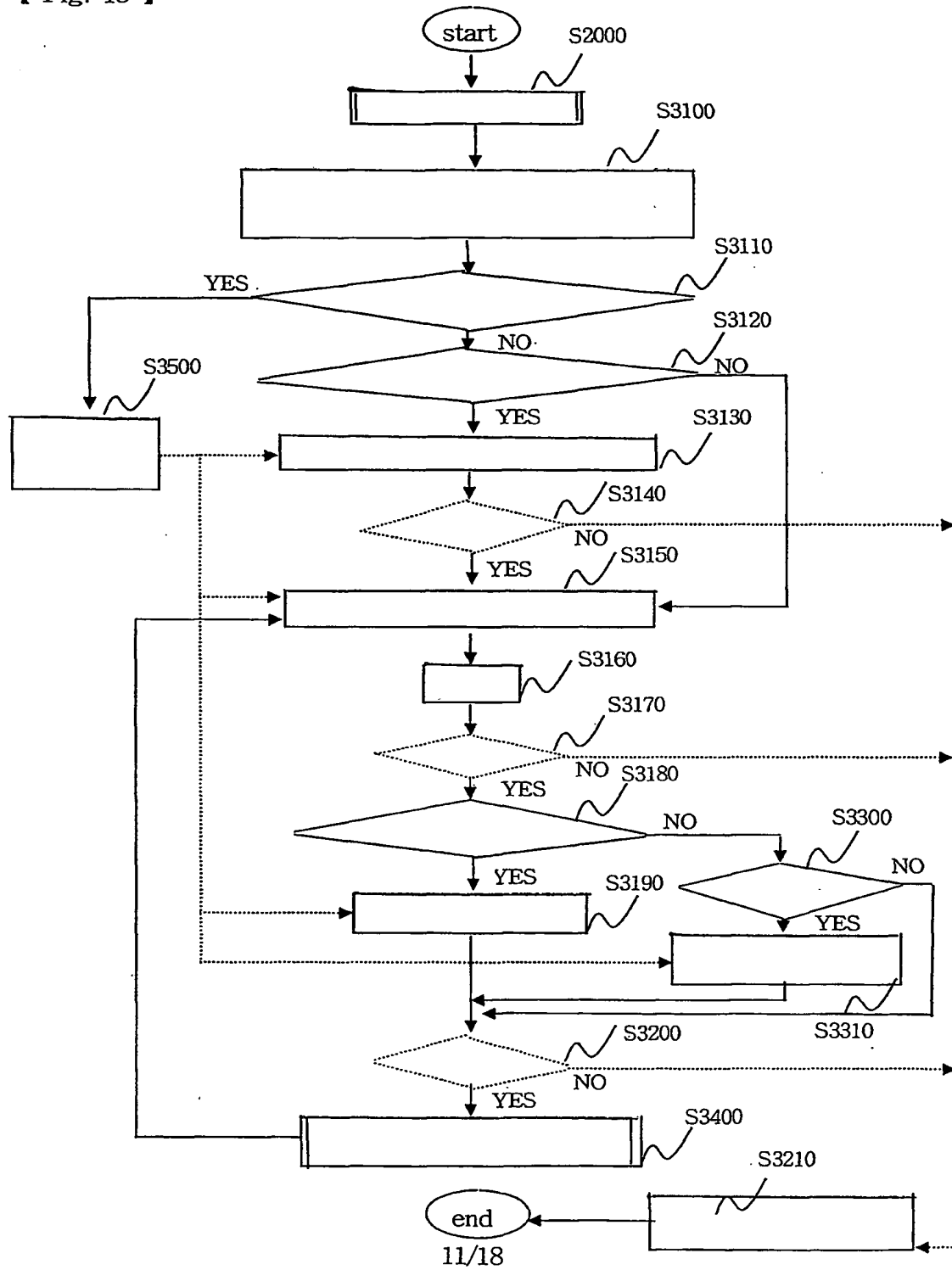
6. The settlement of the No. of Qs linked with the conceptual content for next step
 correct Ans. → same No. ▾ → - 1 ▾
 slipping Qs → same No. ▾ → + 2 ▾

7. The attainment of a learner's goal linked with a conceptual content
 If the learner solves 3 Qs of level 4 linked with a conceptual content in a row,
 the conceptual content shall be graduated from conceptual contents for studying.
 level 4 ▾, 3 Qs in a row ▾

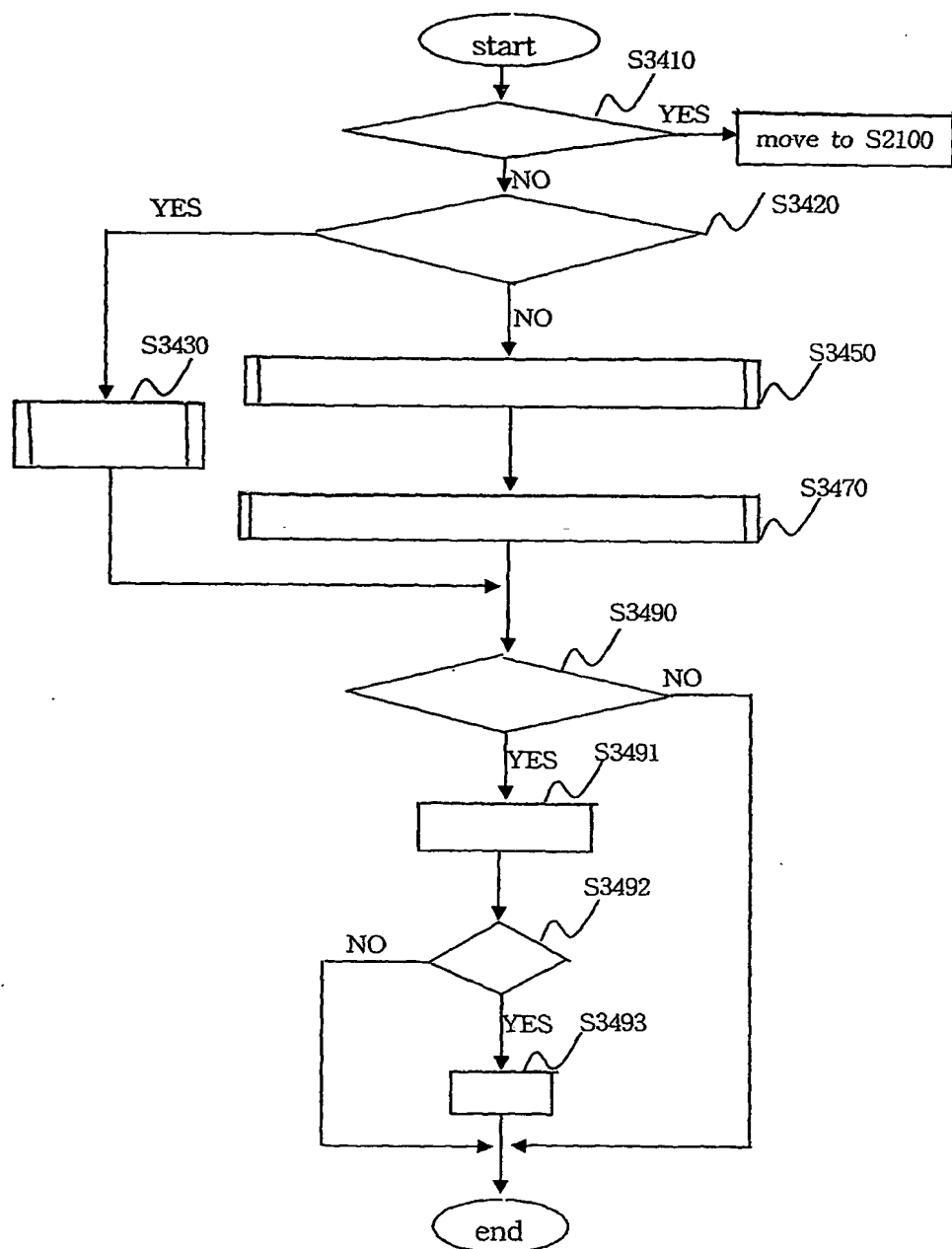
【 Fig. 12 】



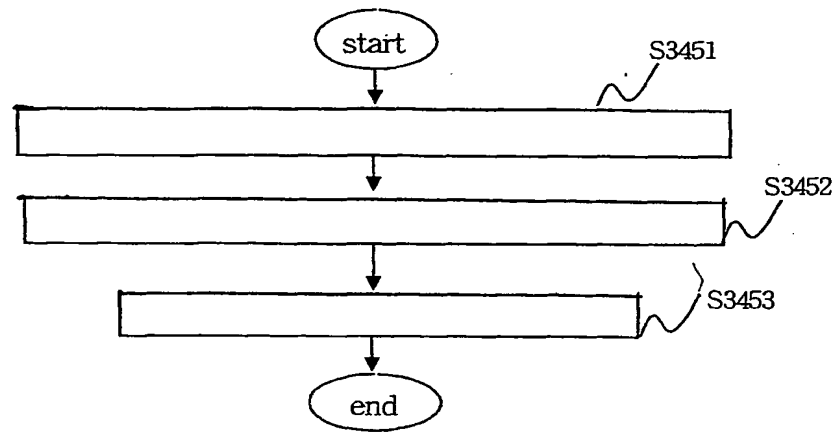
【 Fig. 13 】



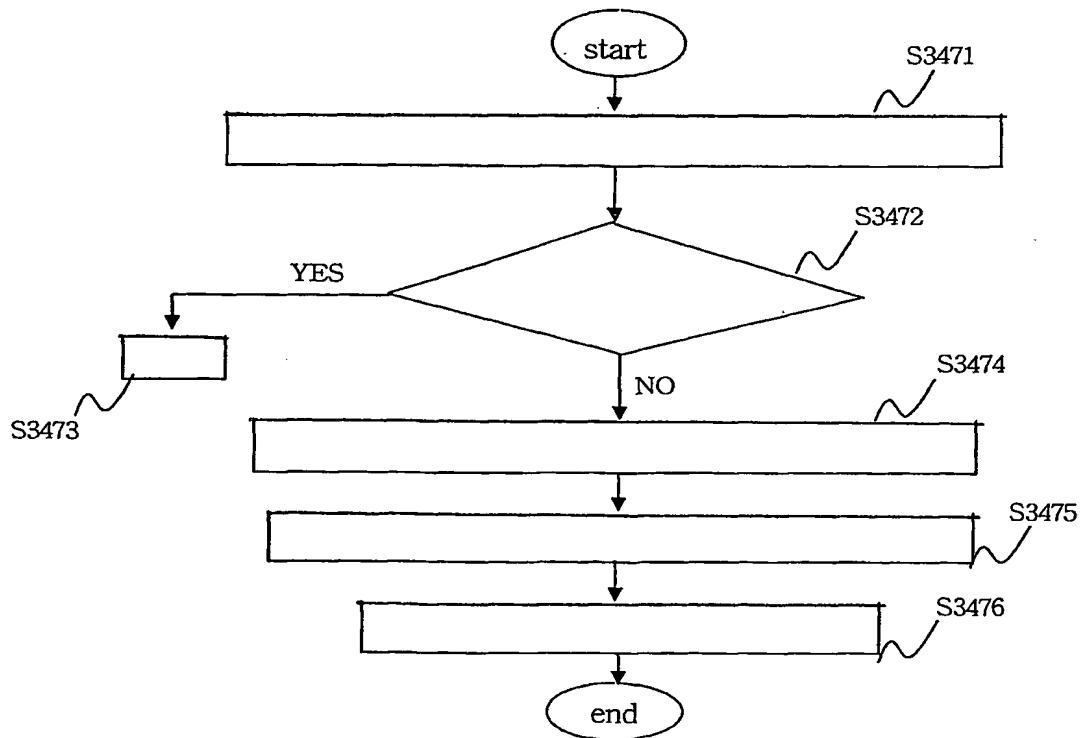
【 Fig. 14 】



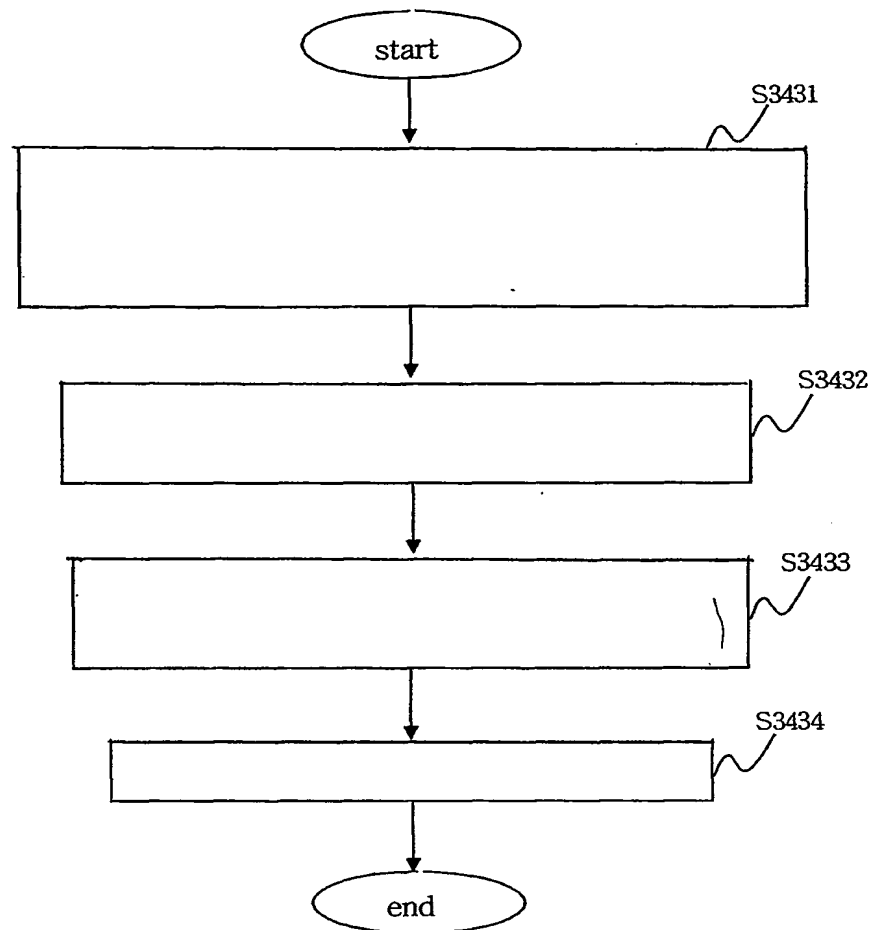
【 Fig. 15 】



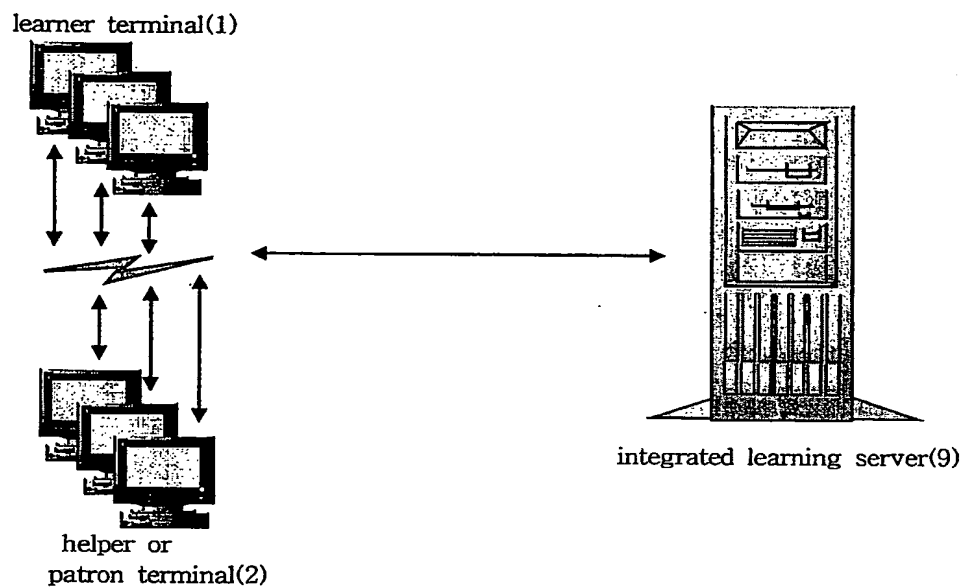
【 Fig. 16 】



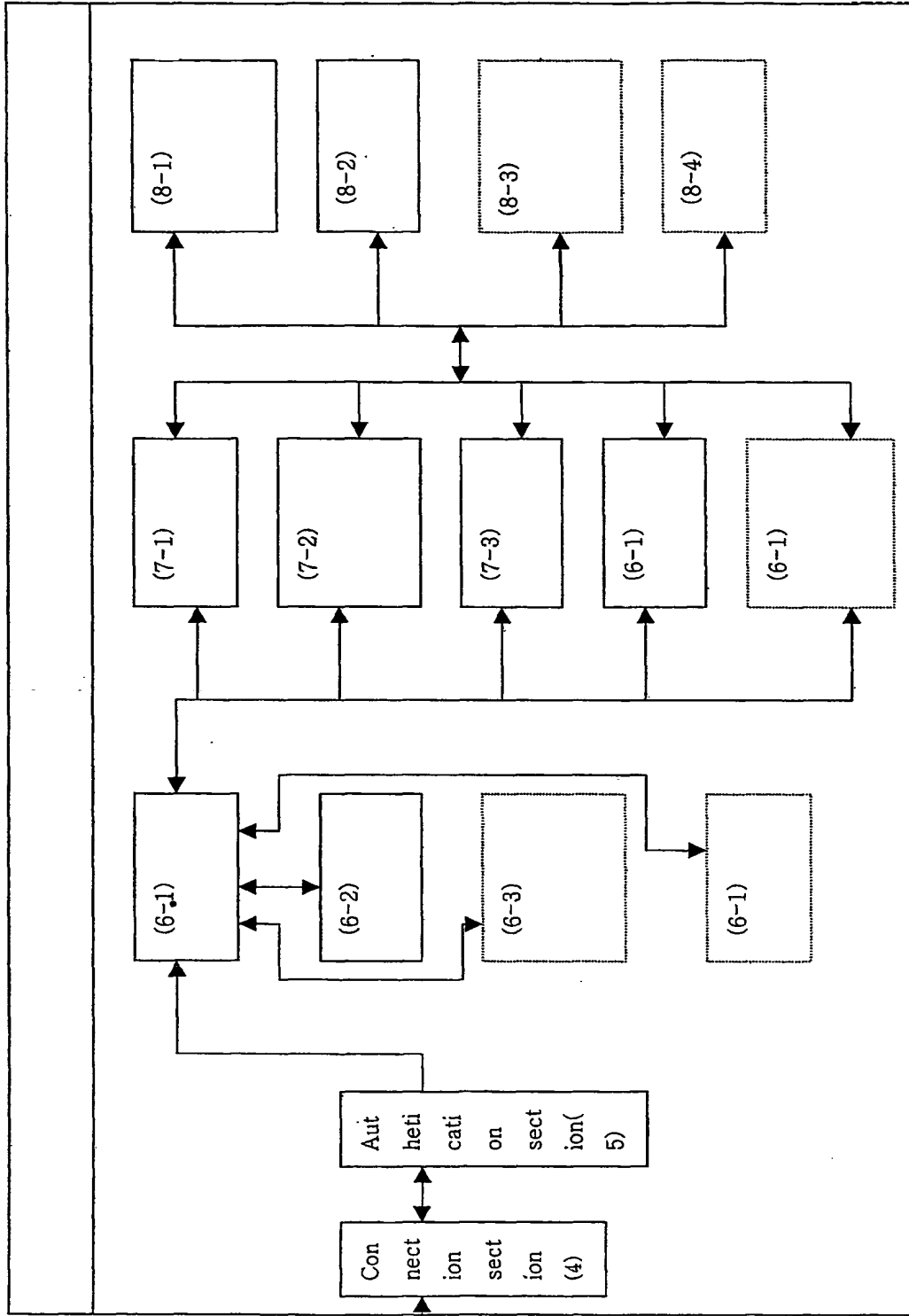
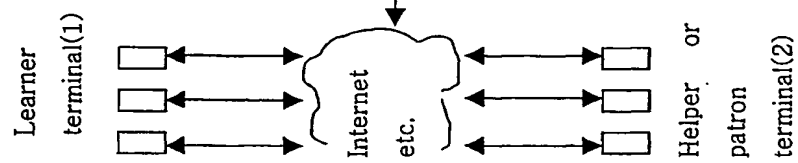
【 Fig. 17 】



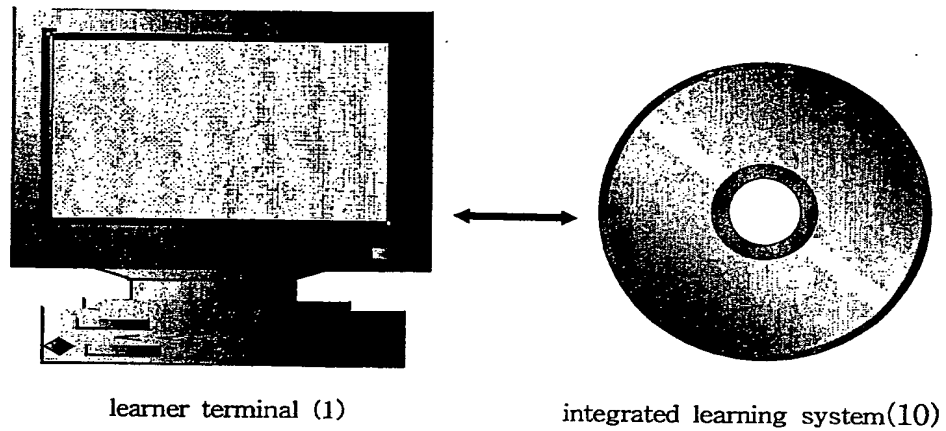
【Fig. 18】



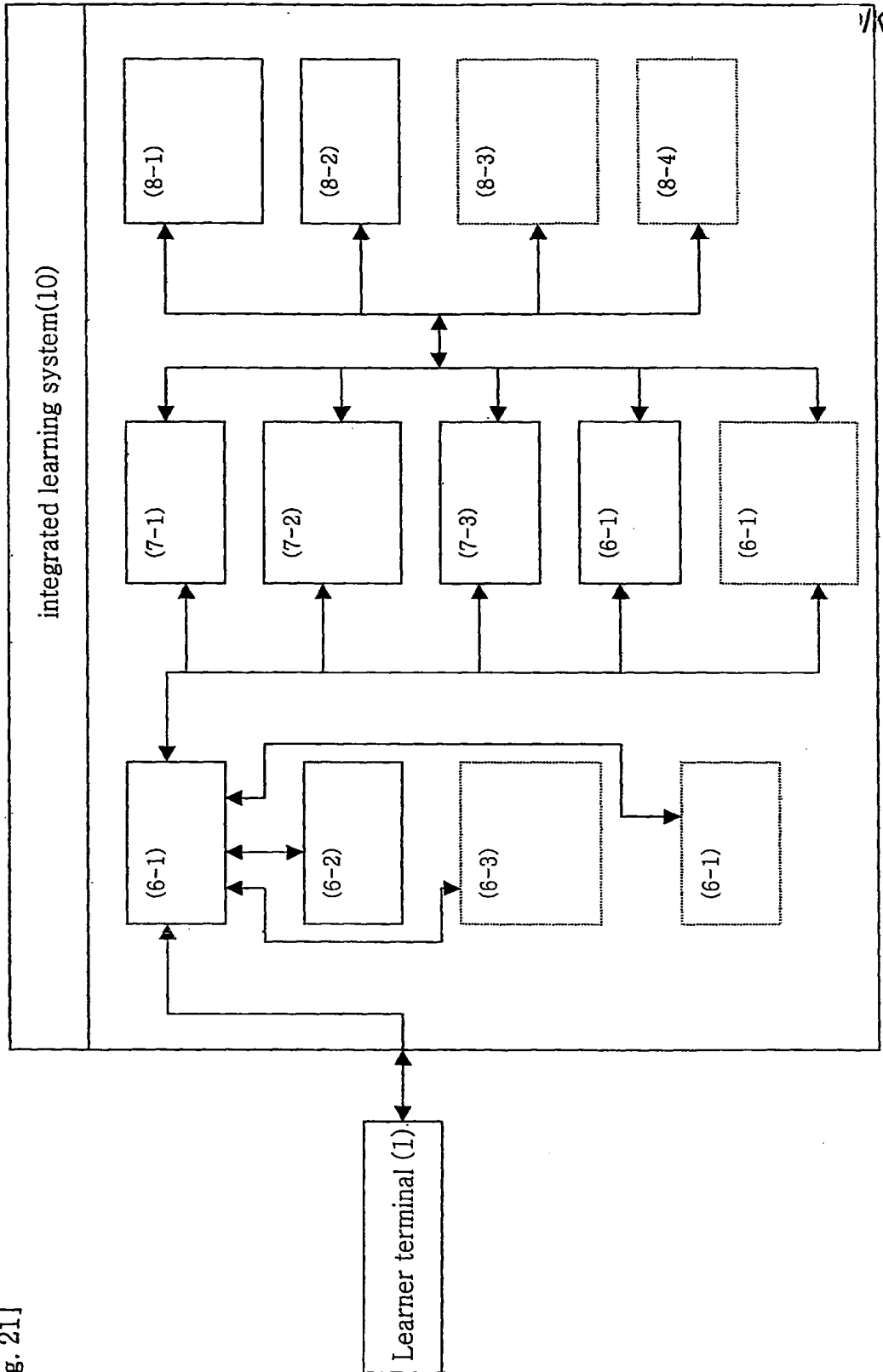
[Fig. 19]



【Fig. 20】



[Fig. 21]



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